

2. The back seat assembly as per Claim 1 above which is supported at the bottom at the main seat frame assembly and it is allowed to swivel within the two stop limits(back and forward) to provide the back support for take-off and the reading position.
3. The back seat assembly as per Claim 2 which can be swiveled at the bottom and it is made out of two separate assemblies, a back seat assembly and a sub back seat assembly.
4. The back seat assembly as per Claim 2 which supports the sub back seat assembly by a longitudinal horizontal bar at the top allowing the back seat and the sub back seat assemblies to swivel upwards in a rising manner.
5. The sub back seat assembly as per Claim 1 which is concealed within the back seat assembly during take off and reading positions.
6. The sub back seat assembly as per Claim 1 which is supported and hinged at the top together with the back seat assembly; and it is supported and hinged at the bottom to the seat pan assembly to provide, once raised, a coplanar flat platform to provide a resting, comfortable surface. .
7. The seat pan assembly as per Claim 1 supported at the front edge and the back edge by two pairs of raising able actuator members attached to the main seat frame. The seat pan assembly is raised up and down by the positioning mechanism which is anchored to the main seat frame.
8. The seat pan assembly as per Claim 7 which is raised and tilted during the accomplishing of the upright reclinable position to provide a coplanar flat platform which forms a continuous resting, comfortable surface with the sub

- back seat assembly.
9. The actuating raise able support members in Claim 7 which control the raising and lowering of the both the sub back seat and the seat pan assemblies.
 10. The foot rest assembly as per Claim 1 which is fully extended in the upright position which allows the passenger to rest the feet comfortably in the upright reclinable position.
 11. A take-off and landing position of the assembly of Claim 1 where the back seat (hinged at the bottom edge) and the seat pan(hinged at the back edge) assemblies are hinged connected to each other and positioned slightly open by more than ninety degrees to each other.
 12. A reading or slightly reclined position of the seat assembly of Claim 1 where the back seat(hinged at the bottom edge) and the seat pan(hinged at the back edge) are hinged connected to each other and positioned in a more tilted position from each other and in a considerably more open manner than ninety degrees angle fashion to provide the reading position of the seat assembly.
 13. A upright sloped reclinable resting position of the assembly of Claim 1 where the sub back seat assembly, the seat pan assembly and the foot rest are raised and aligned to each other in such manner to provide a straight and sloped cushioned surface to provide a restful, comfortable platform for sleeping and resting in an upright reclinable position which allows the legs to be stretched.
 14. An upright sloped reclinable resting position of the seat assembly of Claim 13 which maximizes horizontal space allocated for the reading position.